

Acquisition Reform Success Story



B-1B Mission Planning System Critical Design Review

Program Description

The B-1B Conventional Mission Upgrade Program (CMUP) is a multi-phased initiative to upgrade the B-1B's weapon delivery system, the avionics computer complex and defensive avionics system. These upgrades will enable the B-1B to accomplish future bomber conventional missions as the backbone of the bomber force.

How Streamlining Made a Difference

A joint government-contractor team developed a streamlined, two-phased approach for the Critical Design Review (CDR) of the B-1B CMUP Aircraft/Weapons/Electronics (A/W/E) portion of the common Air Force Mission Support System (AFMSS). Instead of the normal submittal of CDR documentation to the government 30 days ahead of the CDR, the team assembled a small team of technical experts from the participating agencies and conducted a streamlined, 4-day technical review at the contractor's facility using their engineering documentation. A week-long formal CDR was replaced with a half-day executive level summary presentation to the program decision makers.

Bottom Line: The B-1B's aggressive streamlining of the design review process produced direct savings of over 1000 hours in contractor manpower, \$10,000 in government travel, and \$35,000 in government labor (doing it **faster** and **cheaper**) while dramatically slashing the number of action items coming out of the design review (doing it **better**).

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Program Executive Officer: MGen Robert F. Raggio
Contractor: Boeing NAAD
Contractor PM: Mr. Howard Chambers
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